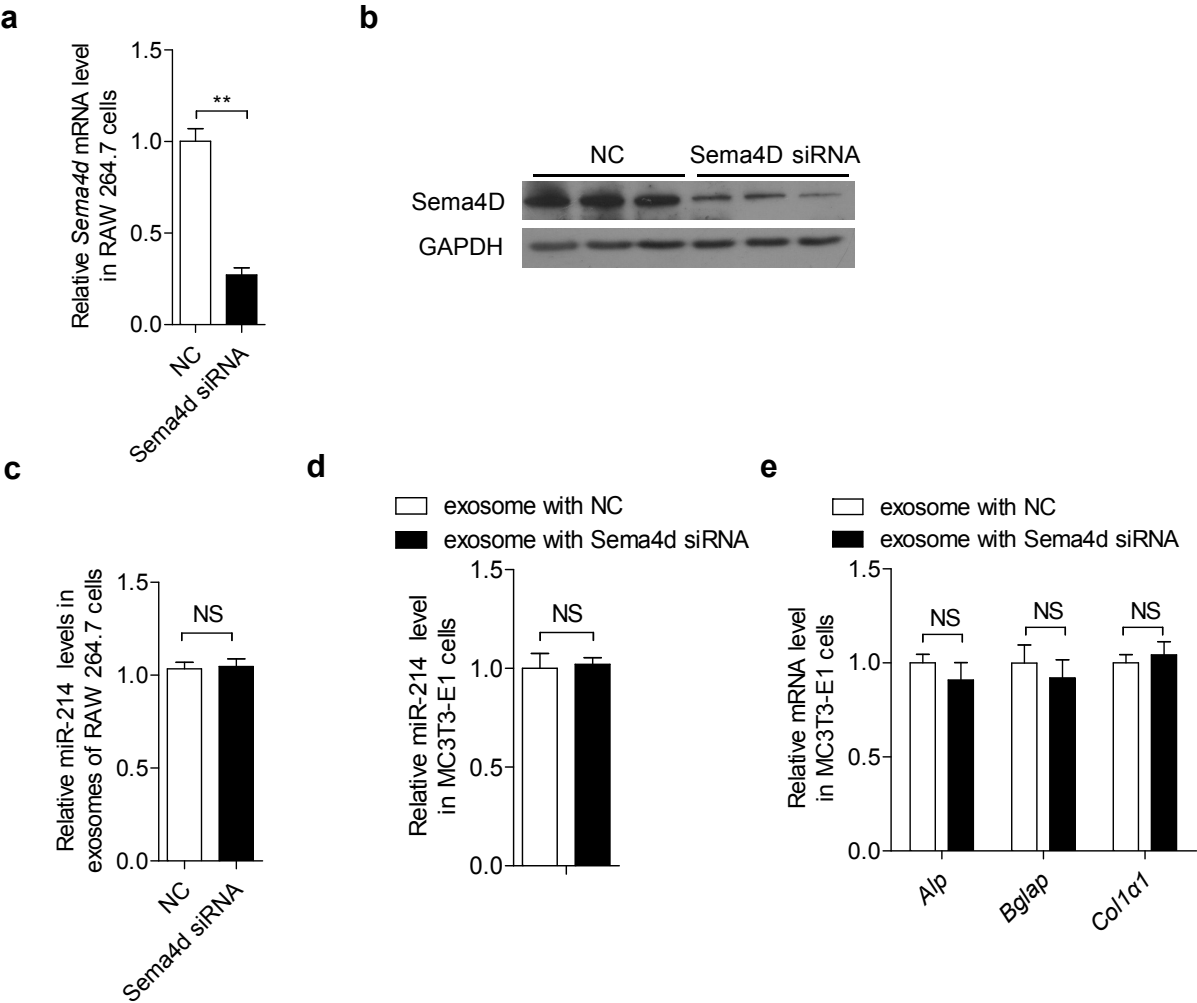


Supplementary Figure 5



## Supplementary Figure 5. Sema4D is not involved in the recognition of exosomes by osteoblasts.

(a) The efficiency of *Sema4d* siRNA. *Sema4d* mRNA level in RANKL-induced RAW 264.7 cells after transfection with *Sema4d* siRNA was analyzed by qRT-PCR. *Sema4d* mRNA levels were normalized to *Gapdh*. (b) Sema4D protein level after transfection with *Sema4d* siRNA was analyzed by western blot. (c) miR-214 levels in exosomes from *Sema4d* siRNA transfected RAW 264.7 cells. miR-214 levels were normalized to *RNU6*. (d) miR-214 levels in MC3T3-E1 cells after incubation for 2 days with exosomes from *Sema4d* siRNA transfected RAW 264.7 cells. miR-214 levels were normalized to *RNU6*. (e) *Alp*, *Bglap* and *Col1 $\alpha$ 1* mRNA levels in MC3T3-E1 cells were analyzed after incubation for 2 days with exosomes from *Sema4d* siRNA transfected RAW 264.7 cells by qRT-PCR. The mRNA levels were normalized to *Gapdh*. The data represent the mean  $\pm$  SEM of three independent experiments. \* $P$ <0.05, \*\* $P$ <0.01, NS, not significant.